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Fig.1A.

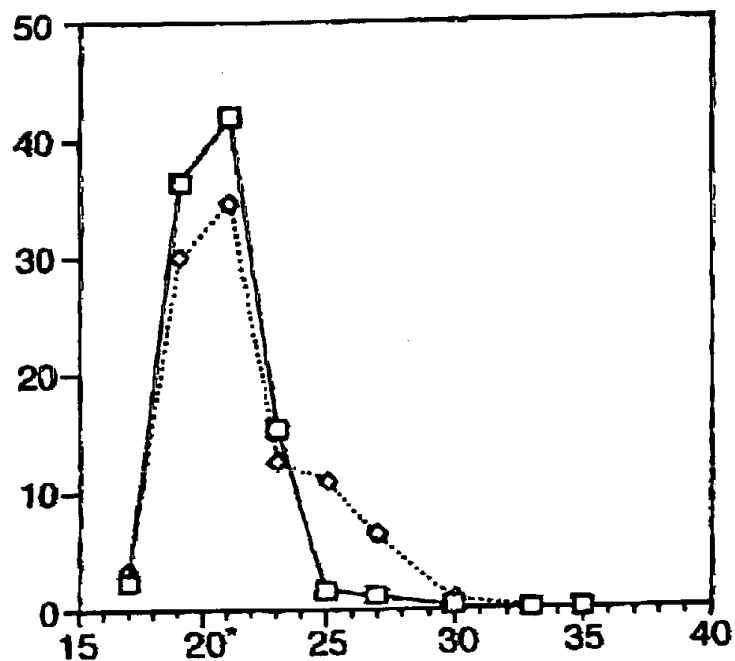
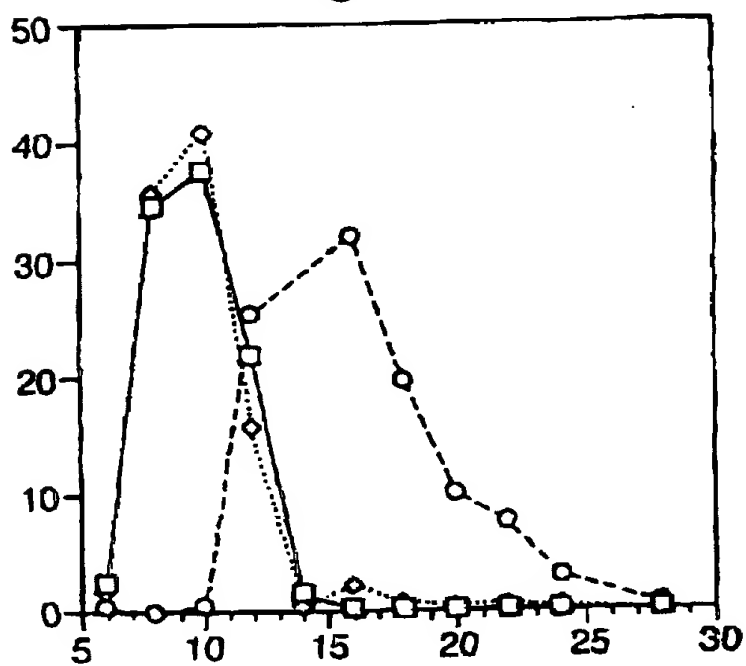


Fig.1B.



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Figure 2

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Fig.3A.

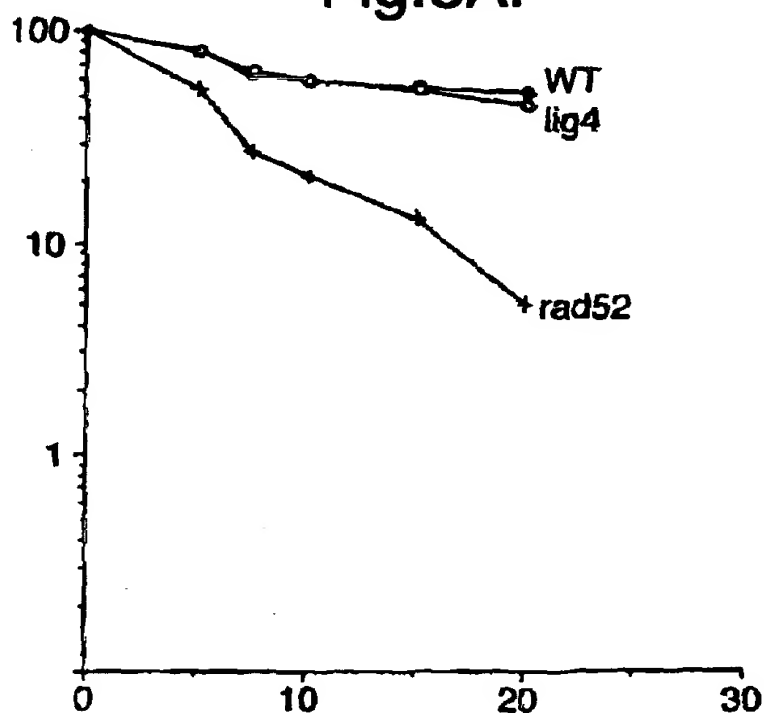
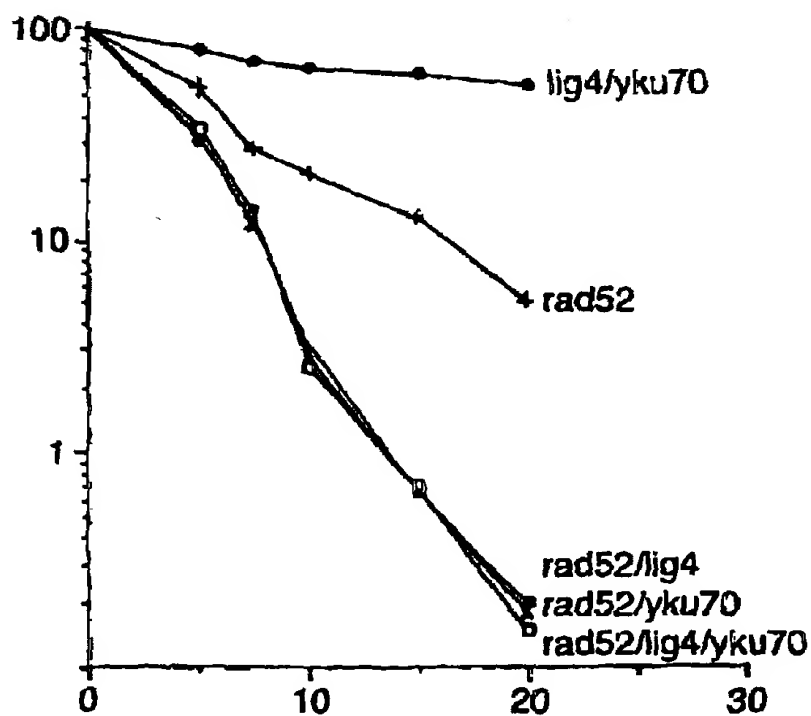


Fig.3B.

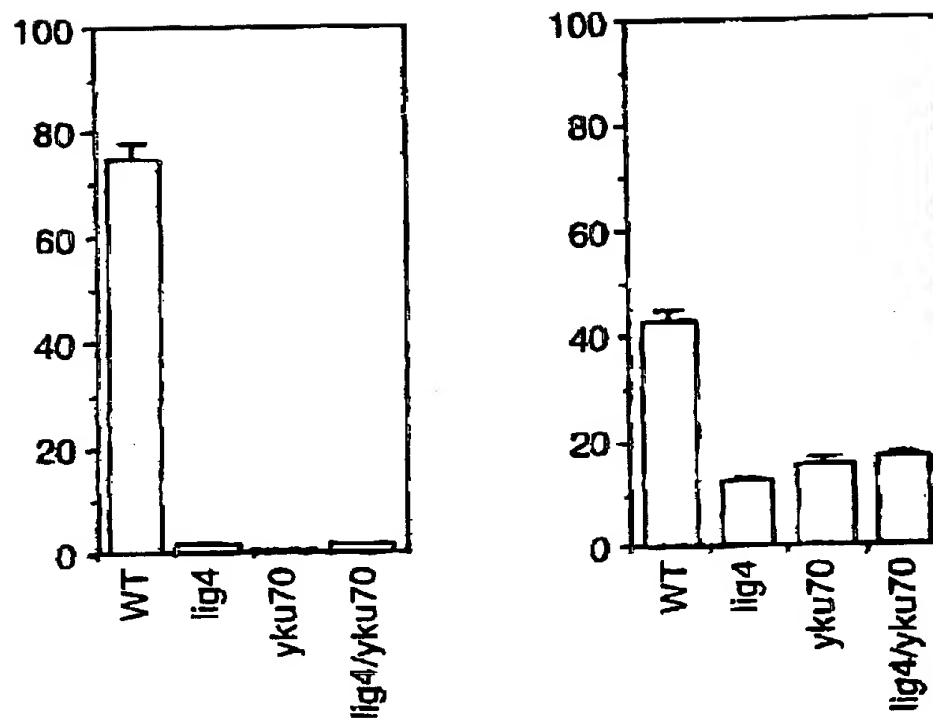


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Fig.4.

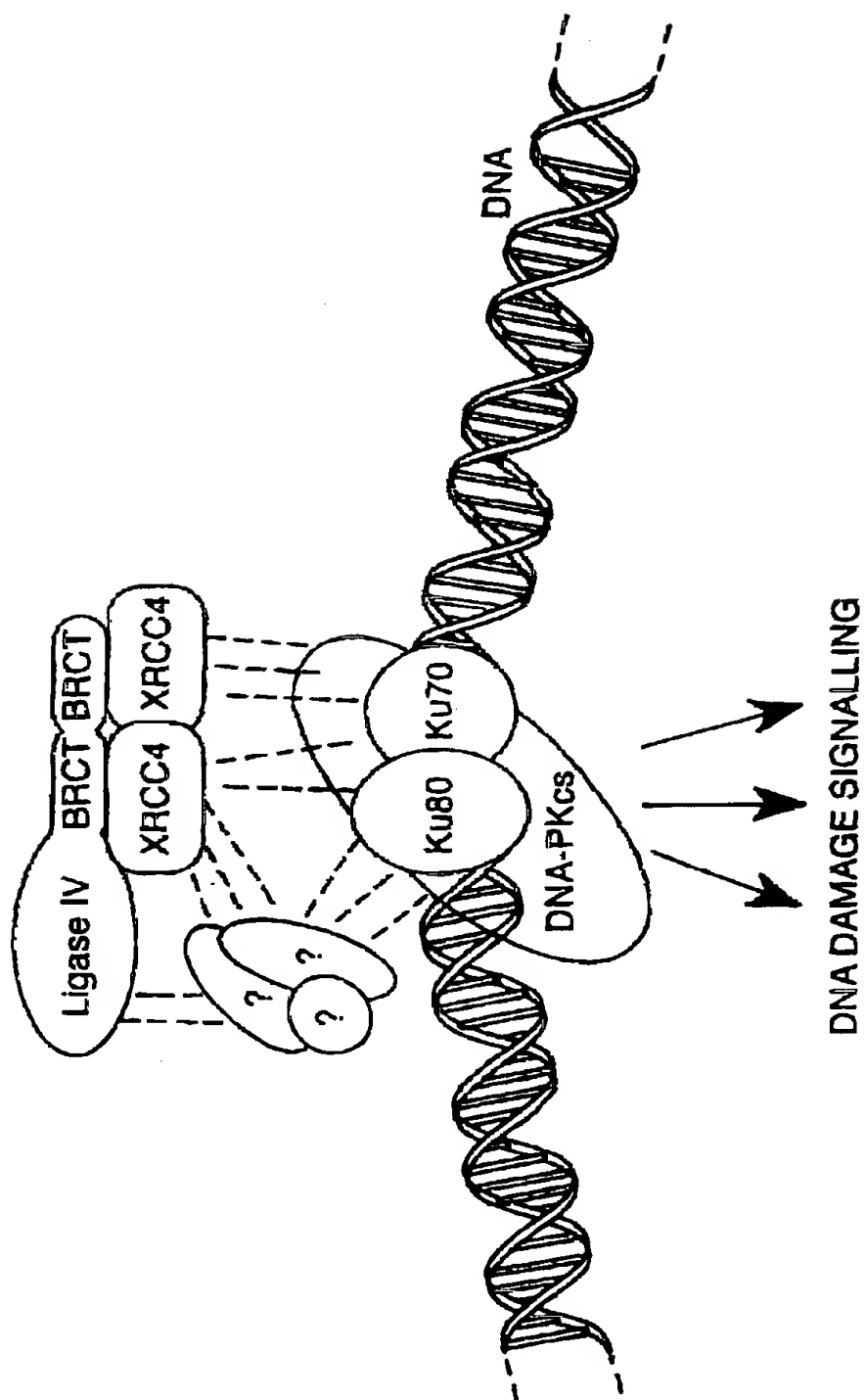


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Fig.5.



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Figure 6

[illegible]

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Figure 6 (Continued)

501 GATTATGTATTATAAAGAACTATATGCTCTTACTTGAAGTTGCCAAAAATCTGCAACA
-----+-----+-----+-----+-----+ 660
CTAATACATAATTATTCTTGATATACGAGAAATGAACCTCAACGGTTTTTTAAGACGTTGT
D Y V L I R T I C S Y L K L P K N S A T -
661 GAGCAGCGGTTAAAGATTGGAAACAGCGTGTGGTAAAGGTGGGAATCTTTCTTCTCTT
-----+-----+-----+-----+-----+ 720
CTCGTGGCAATTTTCTAACCTTTGTGGCACAGCCATTTCCACCCCTAGAAAGAAGAGAA
E Q R L K D W K Q R V G K G G N L S S L -
721 CTGTGGAAGAAATTGCTAAAAGAAGGGCTGAACCTAGCTCAAAAGCGATTACAATTGAT
-----+-----+-----+-----+-----+ 780
GAACACCTTCTTTAACGATTTTCTTCCCGACTTGGATOGAGTTTTGCTAATGTTAACTA
L V E E I A K R R A E P S S K A I T I D -
781 AAGCTCAATCACTATCTGGATAGTTTGAAGTGGAGACAGGTTGGCTTCGGGAGGAGGATTT
-----+-----+-----+-----+-----+ 840
TTGCAGTTAGTGATAGACCTATCAAACTCACCTCTGTTCCAAGCGAAGGCGCTGCTCTAAA
N V N H Y L D S L S G D R F A S G R G F -
841 AAGAGTCTTGTCAGTCCAAACCTTTCTGCTGCTGTGGGAGAATATGAGTTTCTGTCGAA
-----+-----+-----+-----+-----+ 900
TTCTCAGAACAGTTTCAGGTTTGGAAAGGACGTGACACACCTCTTACTCAAAGCAGCTT
K S L V K S K P F L H C V E N M S F V E -
901 TTAATACTTCTTTGATATCGTGCCTTAAATAGAGTAATAGGAGTCAAGAGCACAAA
-----+-----+-----+-----+-----+ 960
AATTTTATGAAGAACTATAGCACGAATTTTATCTCATTATCCTCCAGTCTCGTGT
L K Y F F D I V L K N R V I G G Q E H K -
961 TTGCTAAACTGCTGGCATCCTGATGCTCAGGATTATCTTAGCGTGATATCTGATTAAAG
-----+-----+-----+-----+-----+ 1020
AAGGATTTGAAGACCGTAGGACTAAGAGTCTAATAGAATCGCACTATAGACTAAATTTC
L L N C W H P D A Q D Y L S V I S D L K -
1021 GTGGTAACTTCAAACTTTATGATCCAAAGTTGCTTAAAGGATGATGATTGAGTATA
-----+-----+-----+-----+-----+ 1080
CAACATTGAAGTTTTGAATACTAGGTTTTCAAGCAGATTTCTACTACTAAACTCATAT
V V T S K L Y D P K V R L K D D D L S I -
1081 AAAGTTGGCTTTGCATTCGCCCCCAATTAGCCAAAAAGTGAATCTTTCTTATGAGAAA
-----+-----+-----+-----+-----+ 1140
TTTCAACCGAAAGTAAGCGGGGGGTTAATCGGTTTTTCACTTAGAAAGAATCTCTTT
K V G F A F A P Q L A K K V N L S Y E K -
1141 ATATGCGGTACACTACATGATGATTTTTTGGTAGAAGAAAAATGGATGGAGAACGAATT
-----+-----+-----+-----+-----+ 1200
TATACGGCATGTGATGTACTACTAAAAAACCATCTCTTTTTTACCTACCTCTGCTTAA
I C R T L H D D F L V E E K M D G E R I -
1201 CAAGTTCATTATATGAATTATGGTGAATCCATAAAATTTTTTAGTAGACGGGGCATGAC
-----+-----+-----+-----+-----+ 1260
GTTCAAGTAATATACTTAATACCACTTAGGTATTTTAAAAATCATCTGCCCCGTAGCTG
Q V H Y M N Y G E S I K F F S R R G I D -

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Figure 6 (Continued)

1261 TATACCTATTTGTACGGAGCGAGCTTATCATCAGGAACATATCTCAACATTTGAGGTTT 1320
ATATGGATAAACATGCGCTCGCTCGAATAGTAGTCCTTGATATAGAGTTGTAAACTCCAAA
Y T Y L Y G A S L S S G T I S Q H L R F -
1321 ACAGATAGTGTAAAGAATGTGTTTTAGATGGAGAAATGGTGACGTTTGATGCAAAAAGA 1380
TGTCATCACAATTCTTACACAAAATCTACCTCTTTACCACGCAAACTACGTTTTTCT
T D S V K E C V L D G E M V T F D A R R -
1381 CGGTGATTCTTCCATTGCGTCTGTGTTAAAGGAAGTGCAAAGGAAGCGCTATCTTTTAT 1440
GCCACTAAGAAGGTAAAGCAGAACATTTCTTCAAGTTTCTTTCGGATAGAAAATTA
R V I L P F G L V K G S A K E A L S F N -
1441 AGTATAAATAATGTTGACTTTCACCCCTTATATATGGTGTGTTGATCTGTATACCTGAAT 1500
TCATATTTATTACAACGTAAAGTGCGGAATATATACCACAACTAGACAATATGGACTTA
S I N N V D F H P L Y M V F D L L Y L N -
1501 GGGACTTGGTTGACACCATTAACCCCTTCATCAAAGGAAGCAATATCTGAACAGCATTTTA 1560
CCCTGAAGCAACTGTGGTAATGGGGAAGTAGTTTCTTCTGTTATAGACTTGTGTTAAAT
G T S L T P L P L H Q R K Q Y L N S I L -
1561 AGTCCCTTGAAAAATATTGTAGAAATAGTAGATCTTCTAGATGTTATGGTGTGGAGTCA 1620
TCAGGGAACTTTTATACATCTTTATCATGCTAGAGATCTACAATACCACACCTCAGT
S P L K N I V E I V R S S R C Y G V E S -
1621 ATCAAAAAGTCTTTAGAAAGTTGCAATCTCACTGGGTTGAGAAGGAGTTGTTTTGAAATAT 1680
TAGTTTTTCAGAAATCTTCAAGTTAGAGTGACCAAGTCTTCTTCAACAAAACTTTATA
I K K S L E V A I S L G S E G V V L K Y -
1681 TATAATCAAGTTATATATGTGGCAGTGGAAACAACAACCTGGATCAAGGTAAAACCTGAA 1740
ATATTAAGTTCAATATTACAGCGGTGAGCTTTGTTGTTGACCTAGTTCCATTTTGGACTT
Y N S S Y N V A S R N N N W I K V K P E -
1741 TATTTGGAGGAATTTGGAGAGAATTTAGACTTAATAGTAATAGGCAGAGATTCTGGGAAA 1800
ATAAACCTCTTAAACCTCTCTTAAATCTGAATTATCATATATCCGTCTCTAAGACCCCTT
Y L E E F G E N L D L I V I G R D S G K -
1801 AAAGATTCTTTTATGCTAGGGTTACTTGTGCTAGATGAAGAAGAGTATAAAAAGCACCAA 1860
TTTCTAAGAAAATACGATCCCAATGAACAAGATCTACTTCTTCTCATATTTTGTGTT
K D S F M L G L L V L D E E E Y K K H Q -
1861 GGAGACTCTCTGAAATTTGTAGACCACTCAAGCCAAGAAAACACATACAAAATTCAGA 1920
CCTCTGAGGAGACTTTAACATCTGGTGAGTTGGTTCTTTTTGTGTTATGTTTAAAGTTCT
G D S S E I V D H S S Q E K H I Q N S R -
AGAAGGGTGAAAAAATACTTTCATTCTGTTCTATGCAAAAGGTATATCTCAAGAGAA

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Figure 6 (Continued)

1921-----+-----+-----+-----+-----+ 1980
TCTTCCCACTTTTATGAAAGTAAGACAAGATAGCGTTTGCCATATAGAGTTCTTCTT
R R V K K I L S F C S I A N G I S Q E E -
TTCAAAGAAATCGACCGCAAAACGAGAGGACATGGAAAAGAACCTCOGAAGTTGCTOCC
1981-----+-----+-----+-----+-----+ 2040
AAGTTTCTTTAGCTGGCGTTTGGCTCTCTGTAAACCTTTTCTTGGAGGCTTCAACGAGGG
F K E I D R K T R G H W K R T S E V A P -
CCTGCTTCAATTTTGAATTTGGCTCAAAAATACCTGCOGAATGGATTGACCCCACTGAA
2041-----+-----+-----+-----+-----+ 2100
GGACGAAGTTAAATCTTAACCGAGTTTATGGAACGGCTTACCTAACGGGGTCACTT
P A S I L E F G S K I P A E W I D P S E -
TCAATTGTTCTAGAAATAAATCACGGTCTTTGGATAACACAGAAACGAATATGCAGAAG
2101-----+-----+-----+-----+-----+ 2160
AGTTAACAAGATCTTTATTTAGTGGCGAAGAACCTATTGTGTCTTTGCTTATACGTCTTC
S I V L E I K S R S L D N T E T N M Q K -
TAGCTTACCAATTGTACTTTGTACGGTGGCTATTGTAAAAGAATACGGTACGATAAAGAA
2161-----+-----+-----+-----+-----+ 2220
ATGCGATGGTTAACATGAACATGCCACCGATAACATTTTCTTATGCCATGCTATTTCCT
Y A T N C T L Y G G Y C K R I R Y D K E -
TGGACAGATTGTTACACACTTAACGACTTATAAGAAAGTAGGACGGTTAAATCTAACCCC
2221-----+-----+-----+-----+-----+ 2280
ACCTGTCTAACAAATGTGTGAATGGCTGAATATGCTTTCATCTGCCAATTTAGATTGGGG
W T D C Y T L N D L Y E S R T V K S N P -
AGCTATCAAGCGGAAAGGTCACAGCTTGGATTGTATCGGAAAGAGAGAGAGAGTACTT
2281-----+-----+-----+-----+-----+ 2340
TOGATAGTTGGCTTTTCAGTGTGGAACCTAATGCTTTTCTCTTTCTCTCATGAA
S Y Q A E R S Q L G L I R K K R K R V L -
ATTTACAGACAGCTTTCACCAAAACAGGAAACAACCTGCCAATTTCAAACATCTTTGCCGGA
2341-----+-----+-----+-----+-----+ 2400
TAAAGTCTGTGAAAGTGGTTTTGTCTTTGTGAGCGTTAAAGTTTGTAGAAACGGCTT
I S D S F H Q N R K Q L P I S N I F A G -
TTACTTTTATGTTCTCTCTGACTATGTACGGAGGACACTGGAATACGGATTACACGG
2401-----+-----+-----+-----+-----+ 2460
AATGAAAAAATACAAGAGAGACTGATACAGTGCCTCTCTGTGACCTTATGCTAATGTGCC
L L F Y V L S D Y V T E D T G I R I T R -
GCAGAACTTGAAAAAACTATTGTGGAACATGGTGGTAAACTGATATATATGTATTTTA
2461-----+-----+-----+-----+-----+ 2520
CGTCTTGAACTTTTGTGATAACAOCTGTACCAACCATTTGACTATATATTACATTAAAT
A E L E K T I V E H G G K L I Y N V I L -
AAACGTCAATTCATTTGGGGAAGTTGGTTAATCAGCTGTAAACTACCAACGGAATGCAAG
2521-----+-----+-----+-----+-----+ 2580
TTTGCAGTAAGTTAAACCCCTGCAAGCCAATTAGTGGACATTTTGTATGGTGGCTTACGTTT
K R H S I G D V R L I S C K T T T E C K -
CGTTTATAGATCGAGGATATGATATTTGCACCCAAATTTGGTACTGGATTGTATAGCA
2581-----+-----+-----+-----+-----+ 2640

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Figure 6 (Continued)

CGAAATTATCTAGCTCCTATACTATATAACGTTGGGTTTAACCCATGAGCTAACATATCGT
A L I D R G Y D I L H P N W V L D C I A -
TATAAGAGGCTCATCTGATCGAGCCCAATTATTTGCTTTTAACGTCCTCAAAAAATGAGA
2641 -----+ 2700
ATATTCTCCGAGTAGGACTAGCTCGGGTTAATAACGAAATTGCAGAGAGTTTITACTCT
Y K R L I L I E P N Y C F N V S Q K M R -
GCGTCCCTGAAAAAAGGGTAGATTGTTTGGGTGATAGTTTGAAGATGACATTTCGGAA
2701 -----+ 2760
CGCCAGCGACTTTTTCOCATCTAACAAACCCACTATCAAACTTTTACTGTAAAGCCTT
A V A E K R V D C L G D S F E N D I S E -
ACCAACTGTTCATCATTTGTATAAATCACAACCTAAGTCTACCAACCGATGGGGGAATCGAG
2761 -----+ 2820
TGGTTTGACAGTAGTAACATATTTAGTGTTCATTCAGATGGTGGCTACCCCTTGAGCTC
T K L S S L Y K S Q L S L P P M G E L E -
ATAGATTCTGAGGTTCCGGGTTTCCATTATTTTATTTCTCCAACAGGATTGCATACGTA
2821 -----+ 2880
TATCTAAGACTCCAAGCCGCCAAGGTAATAAATAAGAGGTTGTCTTAAGATGCAAT
I D S E V R R F P L F L F S N R I A Y V -
CCACGTCGCAAAATTAGCACAGACATCATTATAGAAATGAAATTAAAGTTGTTTGGT
2881 -----+ 2940
GGTGCAGCGTTTAAATGCTGCTCTACTGTAAATATCTTTACTTTTAAATCAACAAACCA
P R R K I S T E D D I I E M K I K L F G -
GGAAAAATAACAGATCAACAGTCACTTTGTAACCTAATAATTATACCATATACTGATCT
2941 -----+ 3000
CCTTTTATTTGCTAGTGTGTCAGTGAAACATTGAATTATTAATATGGTATATGACTAGGA
G K I T D Q Q S L C N L I I I P Y T D P -
ATTTTCAGGAAGACTGCATGAATGAGGTACACGAAAAATAAAGAACAATAAAGGCT
3001 -----+ 3060
TAAACTCTTTCTGAGCTACTTACTCCATGTGCTTTTATTTCTTGTATTATTCGGA
I L R K D C M N E V H E K I K E Q I K A -
TCTGATACTATACCGAAATAGCCAGGGTGGTGGCCCTGAATGGGTGGATCATTCATT
3061 -----+ 3120
AGACTATGATATGGCTTTTATGGTCCCGCAACCGGGACTTACCCACTAGTAAGATAA
S D T I P K I A R V V A P E W V D H S I -
AATGAAACTGTCAAGTGCCTGAAGAAGACTTCCCGTAGTCAACTACTGATGGTGGGTT
3121 -----+ 3180
TTACTTTTGACAGTTCACGGACTTCTCTGAAGGGCATCAGTTGATGACTACCAACGCA
N E N C Q V P E E D F P V V N Y * W C V -
TTGCGGAGGCTTAATTTTGAAGTTTATTTAATCTATCTCCACATATGTAATTAAATA
3181 -----+ 3240
AAGCCCTCCGAATTAAAAAATTCAATAAATATGATAGGATGTATACATGTAATTAT
L R R L N F L K F I * Y Y P T Y V H * I -
CTTCGGTAAAGTTTATCAATAAGAGTGGAGATGGCCAAATTATTTCAAAAGATTGGCCA
3241 -----+ 3300
GAAGGCATTGCCAAATAGTTATCTCACTCTACCGGTTAAATAAGTTTTCAAACGGT

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Figure 6 (Continued)

L P * R L S I R V E D A Q L Y S K D W P -

GTCAATTAACTTAAGGAAAAAAT

3301 -----+----- 3323

CAGTTAATTGAATTCCTTTTAA

V N * L K E K -

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